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Approved For Release 2005/05/20 : CIA-RDP78B04770A001400070018-2

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NPIC/TSSG/DED-1339-68
27 August 1968

Declass Review by NGA.

MEMORANDUM FOR: Chief, Technical Analysis Division, TSSG

ATTENTION :

SUBJECT : Modification of the 1032T Microdensitometer

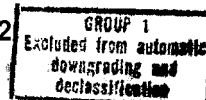
1. It is understood by the Development & Engineering Division that TAD requires three modifications made to the 1032T Microdensitometer; namely, an increase in the sampling rate, a capability for a shortened scan length, and improved optical system.

2. In order to request proposals for these services, DED requires some specific information from TAD. Listed below are a series of questions whose answers will aid in defining the problem:

- a. What is the smallest sampling interval required?
- b. What is the greatest sampling interval required?
- c. What is the slowest scan speed that can be tolerated?
- d. What tolerance is required for the absolute position of each sample?
- e. What tolerance is required for the relative position of each sample?
- f. What is the shortest scan required?
- g. What is the longest scan required?
- h. What tolerance is required on scan start and stop positions?
- i. How repeatable must the scan start and stop be?
- j. Does the machine have to be able to start and stop scanning as accurately in one direction as the other?
- k. What is the smallest effective slit required to scan black and white film?

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- l. What is the smallest effective slit required to scan color film in the trichromatic mode?
- m. What is the smallest effective slit required to scan color film in the black and white mode?
- n. What is the smallest effective spot required to scan black and white film?
- o. What is the smallest effective spot required to scan color film in the trichromatic mode?
- p. What is the smallest effective spot required to scan color film in the black and white mode?
- q. What types of color film will you analyze in the trichromatic mode?
- r. What types of color film will you analyze in the black and white mode?
- s. What is the maximum expenditure of funds you could justify for each of the modifications?
- t. Would you be willing to justify these costs to the DDI when the funds are requested?

Chief, Development & Engineering Division,
NPIC

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